

CHAPTER 4

CAPITAL AND OPERATING COSTS

4-1. RACER. The Remedial Action Cost Engineering and Requirements (RACER) estimating software (Talisman Partners, Ltd., 1998) is an adequate tool for developing cost estimates for liquid and vapor phase adsorption technologies. RACER is a parametric cost modeling system that uses a patented methodology for estimating costs. RACER cost estimating technologies are based on generic engineering solutions for environmental projects, technologies, and processes. The generic engineering solutions were derived from historical project information, industry data, government laboratories, construction management agencies, vendors, contractors, and engineering analysis.

4-2. Estimating. To develop an estimate for the liquid or vapor phase technologies within RACER, you must at least provide values for required parameters that affect the cost for the technology. These parameters include system redundancy, total organic concentration and safety level. RACER will also estimate O & M costs for these technologies and spread these costs into the out years for the duration of the O & M.